

Office of Renewable Energy Programs

OCS Scientific Committee Meeting May 22, 2013

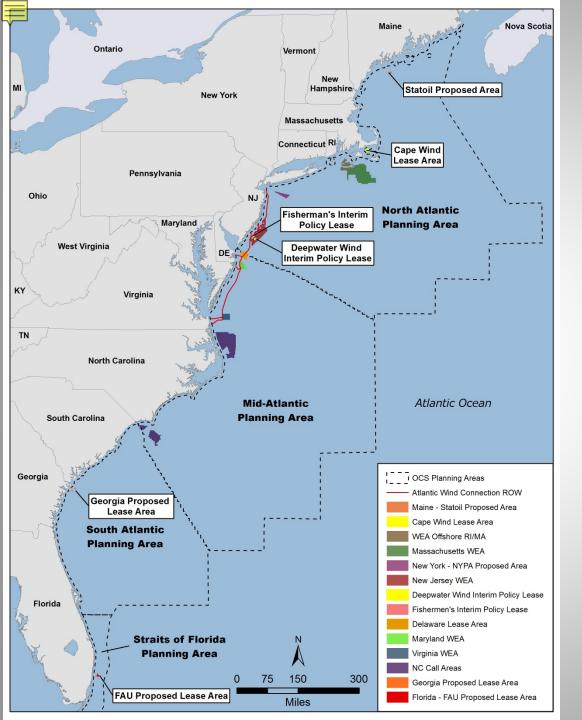
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Renewable Energy Program





Wind Energy Areas:

Massachusetts
Rhode Island*
New Jersey
Delaware*
Maryland
Virginia
North Carolina*

Interim Policy Leases:

New Jersey Georgia* Florida*

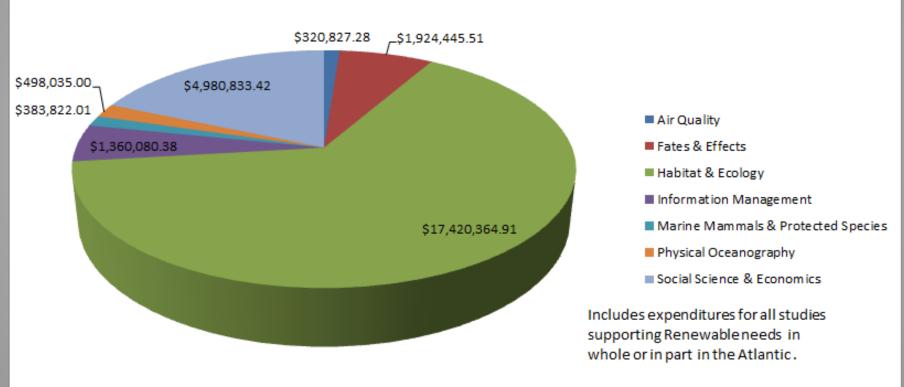
Specific Projects:

Cape Wind
Statoil*
Atlantic Wind Connection*



Renewable Energy Program

Renewable Funds by Discipline FY 2008-2013 Cumulative





Renewable Energy Program

Stakeholder Input:

- Task Force Membership ~ 600
- Other Federal Agencies NOAA, FWS
- Received 30 study ideas
- 14 profiles included in the plan





Process for Commercial Lease Issuance (30 CFR 585)

Planning and Analysis

- •BOEM engages with the Intergovernmental Task Forces to identify priority Wind Energy Areas (WEAs) offshore. WEAs are locations that appear most suitable for wind energy development
- BOEM prepares an Environmental Assessment for Lease or Grant Issuance and Site Assessment Activities

Lease or Grant

- •BOEM notifies the public and developers of its intent to lease through Sale Notices
- •BOEM determines whether Competitive Interest exists
- If Competitive Interest exists, BOEM holds a lease or grant auction
- If Competitive Interest does not Exist, BOEM negotiates a lease

Site Assessment

- •Lessee conducts site characterization studies
- •Lessee submits Site Assessment Plan (SAP)
- •BOEM conducts environmental and technical reviews of SAP, eventually deciding to approve, approve with modification, or disapprove the SAP
- •If approved, Lessee assesses site (usually with meteorological tower(s) and/or buoy(s)

Construction and Operations

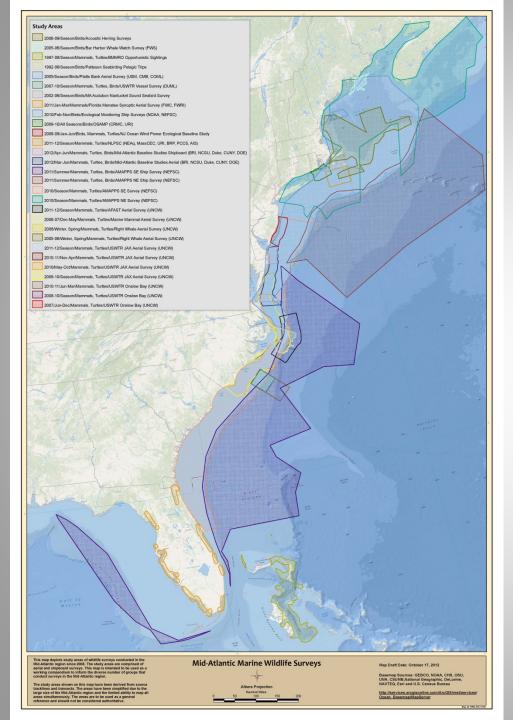
- Lessee may conduct additional site characterization
- Lessee submits
 Construction and
 Operations Plan
 (COP)
- •BOEM conducts environmental and technical reviews of COP, eventually deciding to approve, approve with modification, or disapprove the COP
- •If approved, Lessee builds wind farm



Site Assessment

Collecting baseline information about the distribution of species.

- ➤ Marine Mammals/Sea Turtles
- > Birds
- Fish



Surveys Since 2005

Aerial and Boat Surveys

Birds
Marine Mammals
Sea Turtles

Variable Densities

Variable Techniques

Available on Marine Cadastre



Site Assessment

Collecting baseline information about:

- ➤ Tourism and Recreation*
- ➤ Historical Properties*
- ➤ Archaeological Sites*

^{* -} Completed studies



DEM Construction and Operations

- What are the positive effects from development?
- What are the impact producing activities?
- How can we best measure these effects?
- What effects will wind turbines have on the local environment?

Partnering

Department of Energy

NOAA

FWS

States – RI, MA, NC, VA



Workshop

Offshore Wind Energy Development Site Assessment and Characterization: Evaluation of the Current Status and European Experience

- Focus: Birds, Benthic Habitats, Archaeology
- Invited 15 European Experts
- Roundtable discussions of key issues
- Report due July, 2013



Conundrums

Spatial scales for data collection

Consistent data collection

Decision support tools

www.boem.gov/Renewable-Energy-Program